

# 3D1 heavy chain variable region sequence

30 60  
 ATG GGT TGG AAC TGT ATC ATC TTC TTT CTG GTT ACA ACA GCT ACA GGT GTG CAC TCC CAG  
 M G W N C I I F F L V T T A T G V H S Q  
 90 120  
 GTC CAG CTG CAG CAG TCT GGG CCT GAG CTG GTG AGG CCT GGG GAA TCA GTG AAG ATT TCC  
 V Q L Q Q S G P E L V R P G E S V K I S  
 150 180  
 TGC AAG GGT TCC GGC TAC ACA TTC ACT GAT TAT GCT ATA CAG TGG GTG AAG CAG AGT CAT  
 C K G S G Y T F T D Y A I Q W V K Q S H  
 210 240  
 GCA AAG AGT CTA GAG TGG ATT GGA GTT ATT AAT ATT TAC TAT GAT AAT ACA AAC TAC AAC  
 A K S L E W I G V I N I Y Y D N T N Y N  
 270 300  
 CAG AAG TTT AAG GGC AAG GCC ACA ATG ACT GTA GAC AAA TCC TCC AGC ACA GCC TAT ATG  
Q K F K G K A T M T V D K S S S T A Y M  
 330 360  
 GAA CTT GCC AGA TTG ACA TCT GAG GAT TCT GCC ATC TAT TAC TGT GCA AGA GCG GCC TGG  
 E L A R L T S E D S A I Y Y C A R A A W  
 390  
 TAT ATG GAC TAC TGG GGT CAA GGA ACC TCA GTC ACC GTC TCC TCA  
Y M D Y W G Q G T S V T V S S

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Figure 1 (A)

# 3D1 light chain variable region sequence

30 60  
 ATG GAT TCA CAG GCC CAG GTT CTT ATA TTG CTG CTG CTA TGG GTA TCT GGT ACC TGT GGG  
 M D S Q A Q V L I L L L L W V S G T C G

90 120  
 GAC ATT GTG CTG TCA CAG TCT CCA TCC TCC CTG GCT GTG TCA GCA GGA GAG AAG GTC ACT  
 D I V L S Q S P S S L A V S A G E K V T

150 180  
 ATG AGC TGC AAA TCC AGT CAG AGT CTG CTC AAC AGT AGA ACC CGA GAG AAC TAC TTG GCT  
 M S C K S S O S L L N S R T R E N Y L A

210 240  
 TGG TAC CAG CAG AAA CCA GGG CAG TCT CCT AAA CTG CTG ATC TAC TGG GCA TCC ACT AGG  
 W Y Q Q K P G Q S P K L L I Y W A S T R

270 300  
 GAA TCT GGG GTC CCT GAT CGC TTC ACA GGC AGT GGA TCT GGG ACA GAT TTC ACT CTC ACC  
E S G V P D R F T G S G S G T D F T L T

330 360  
 ATC AGC AGT GTG CAG GCT GAA GAC CTG GCA GTT TAT TAC TGC ACG CAA TCT TAT AAT CTT  
 I S S V Q A E D L A V Y Y C T O S Y N L

390  
 TAC ACG TTC GGA GGG GGG ACC AAG CTG GAA ATA AAA  
Y T F G G G T K L E I K

00220"TE792960

Figure 1 (B)

# Hu3D1 heavy chain variable region sequence

30 60  
 ATG GGT TGG AAC TGT ATC ATC TTC TTT CTG GTT ACC ACA GCT ACA GGT GTG CAC TCC CAG  
 M G W N C I I F F L V T T A T G V H S Q

90 120  
 GTC CAG CTG GTG CAG TCT GGG GCT GAG GTG AAG AAG CCT GGG AGC TCA GTG AAG GTG TCC  
 V Q L V Q S G A E V K K P G S S V K V S

150 180  
 TGC AAA GCT TCC GGC TAC ACA TTC ACT GAT TAT GCT ATA CAG TGG GTG AGA CAG GCT CCT  
 C K A S G Y T F T D Y A I Q W V R Q A P

210 240  
 - GGA CAG GGC CTC GAG TGG ATT GGA GTT ATT AAT ATT TAC TAT GAT AAT ACA AAC TAC AAC  
 G Q G L E W I G V I N I Y Y D N T N Y N

270 300  
 CAG AAG TTT AAG GGC AAG GCC ACA ATG ACT GTA GAC AAG TCG ACG AGC ACA GCC TAT ATG  
Q K F K G K A T M T V D K S T S T A Y M

330 360  
 GAA CTT AGT TCT TTG AGA TCT GAG GAT ACG GCC GTT TAT TAC TGT GCA AGA GCG GCC TGG  
 E L S S L R S E D T A V Y Y C A R A A W

390  
 TAT ATG GAC TAC TGG GGT CAA GGT ACC CTT GTC ACC GTC TCC TCA  
Y M D Y W G Q G T L V T V S S

Figure 2 (A)

# Hu3D1 light chain variable region sequence

30 60  
 ATG GAT TCA CAG GCC CAG GTT CTT ATA TTG CTG CTG CTA TGG GTA TCT GGC ACC TGT GGG  
 M D S Q A Q V L I L L L L W V S G T C G

90 120  
 GAC ATT GTG CTG ACA CAG TCT CCA GAT TCC CTG GCT GTA AGC TTA GGA GAG AGG GCC ACT  
D I V L T Q S P D S L A V S L G E R A T

150 180  
 ATT AGC TGC AAA TCC AGT CAG AGT CTG CTC AAC AGT AGA ACC CGA GAG AAC TAC TTG GCT  
 I S C K S S O S L L N S R T R E N Y L A

210 240  
 TGG TAC CAG CAG AAA CCA GGG CAG CCT CCT AAA CTG CTG ATC TAC TGG GCA TCC ACT AGG  
 W Y Q Q K P G Q P P K L L I Y W A S T R

270 300  
 GAA TCT GGG GTC CCT GAT CGC TTC AGT GGC AGT GGA TCT GGG ACA GAT TTC ACT CTC ACC  
E S G V P D R F S G S G S G T D F T L T

330 360  
 ATC AGC AGT CTG CAG GCT GAA GAC GTG GCA GTT TAT TAC TGC ACG CAA TCT TAT AAT CTT  
 I S S L Q A E D V A V Y Y C T O S Y N L

390  
 TAC ACG TTC GGA CAG GGG ACC AAG GTG GAA ATA AAA  
Y T F G Q G T K V E I K

Figure 2 (B)

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### Competition Binding Assay of Anti-B7.2 mAbs

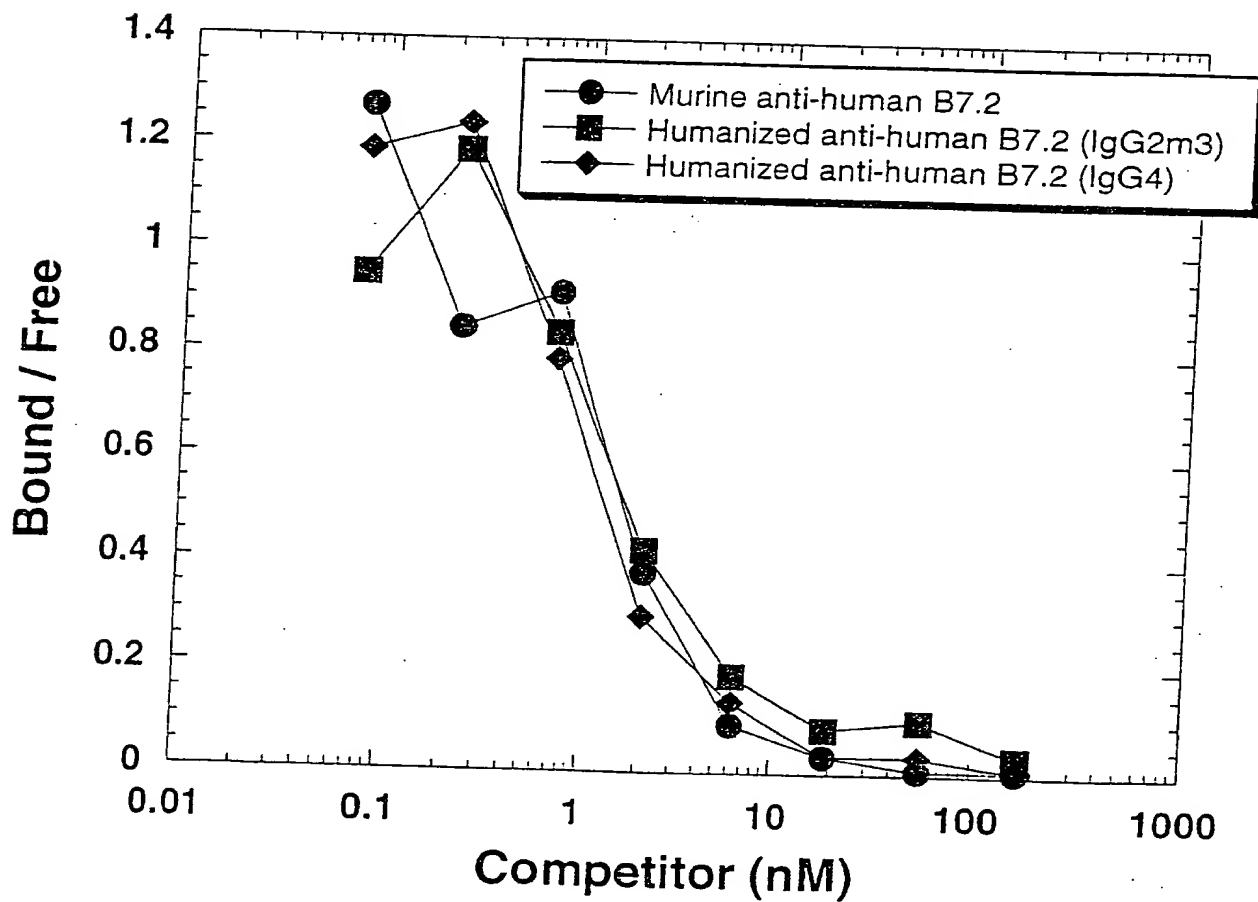


Figure 3

# Direct Binding Assay of Anti-B7.2 mAbs

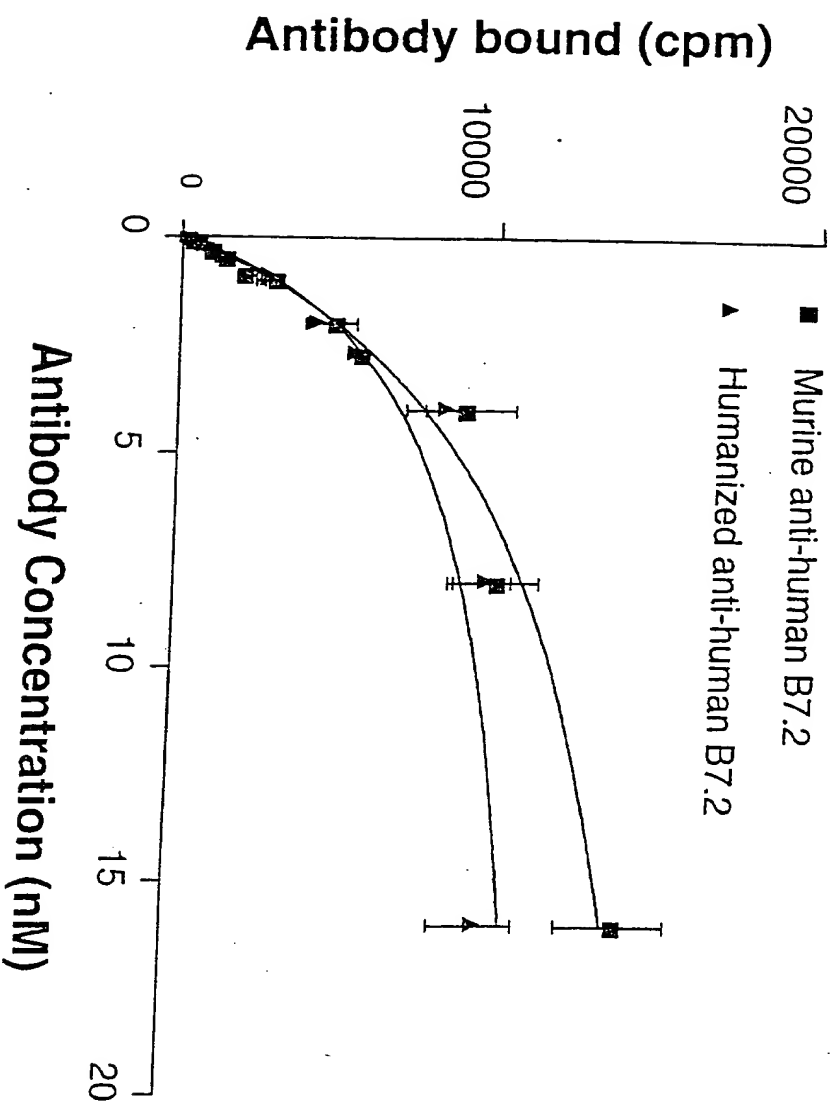


Figure 4

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002220" FE 92960

# Inhibition of CD28<sup>+</sup> T Cell Proliferation by Anti-B7.2 mAbs

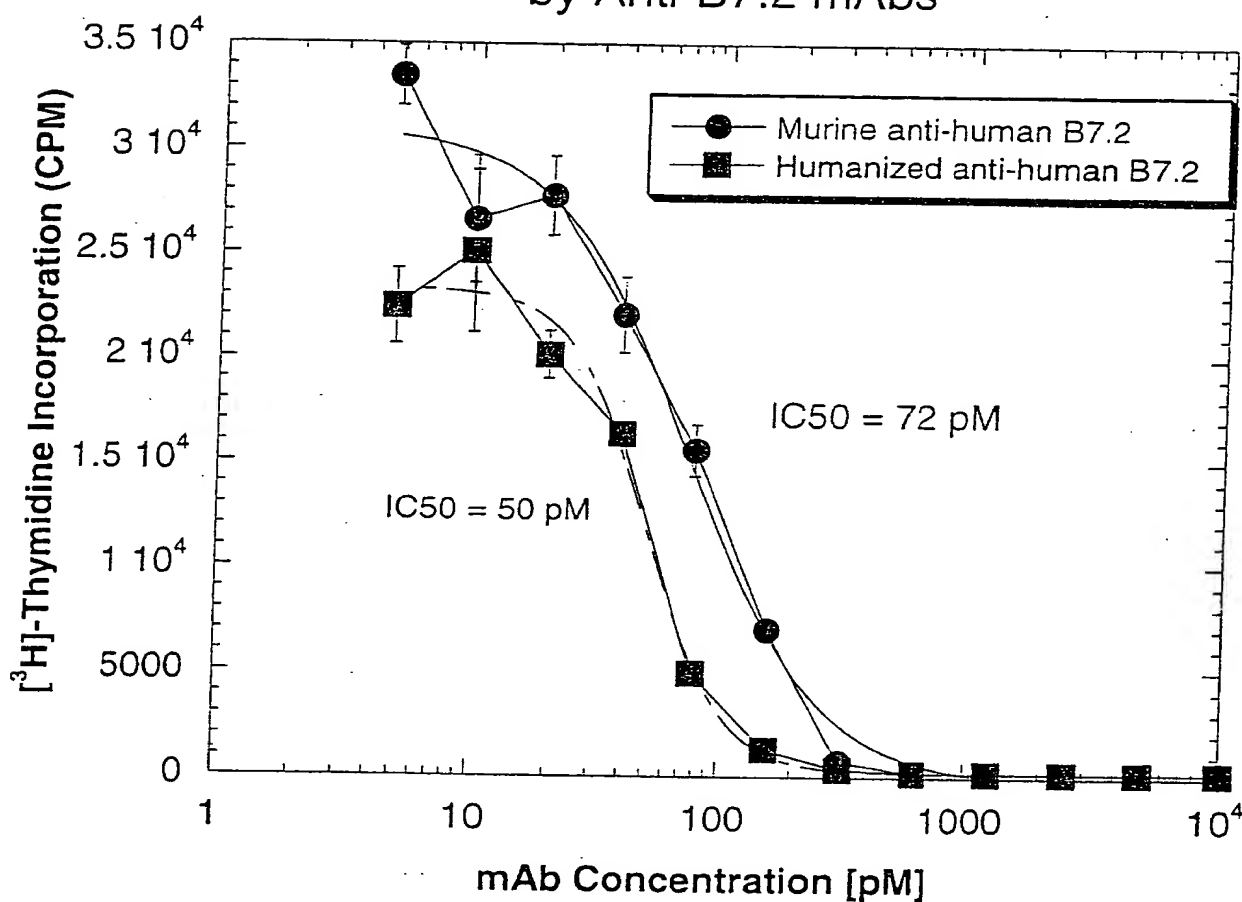


Figure 5

# Inhibition of a Mixed Lymphocyte Reaction by Anti-B7 Antibodies and CTLA4Ig

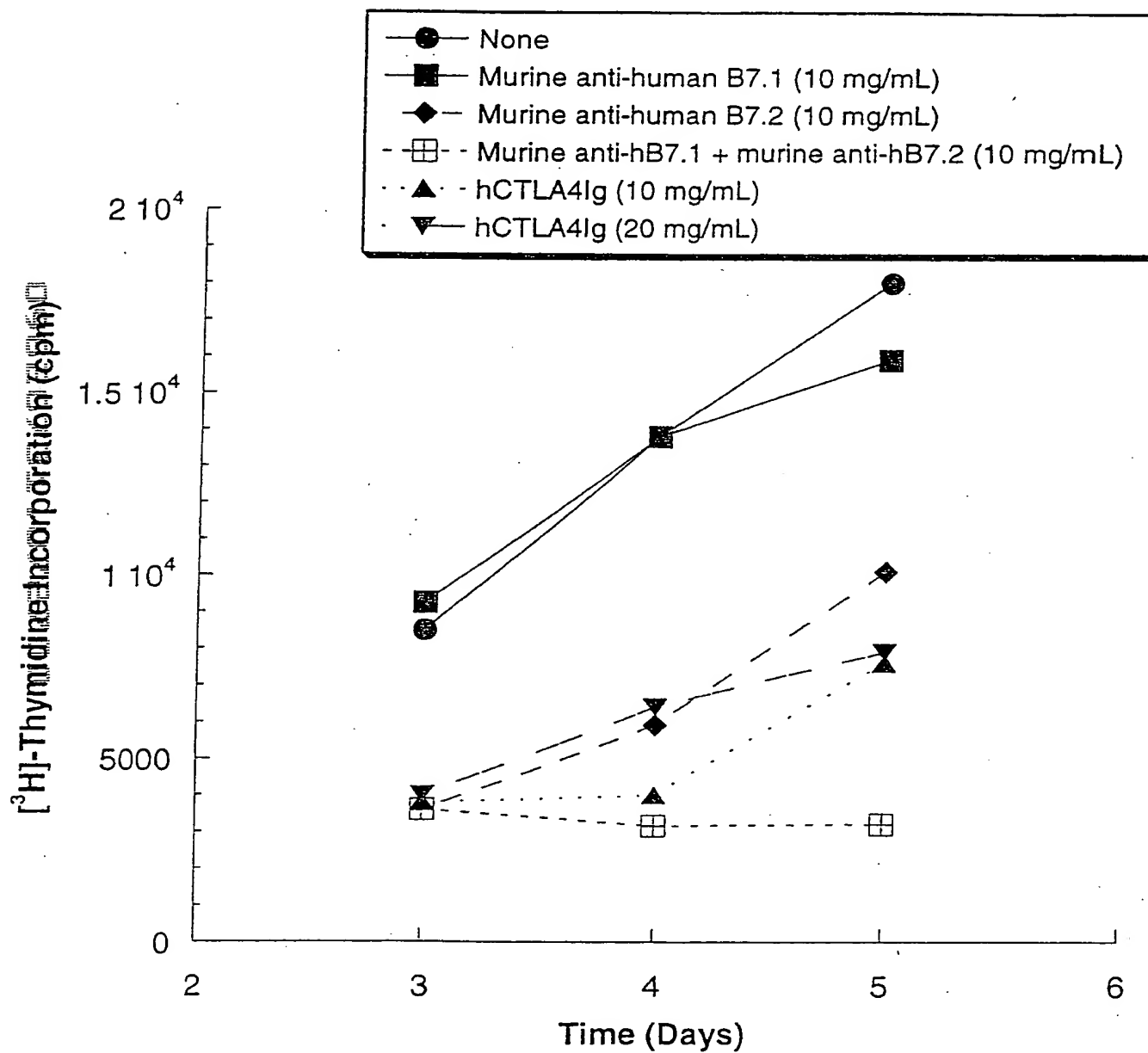


Figure 6



00220" TE292960

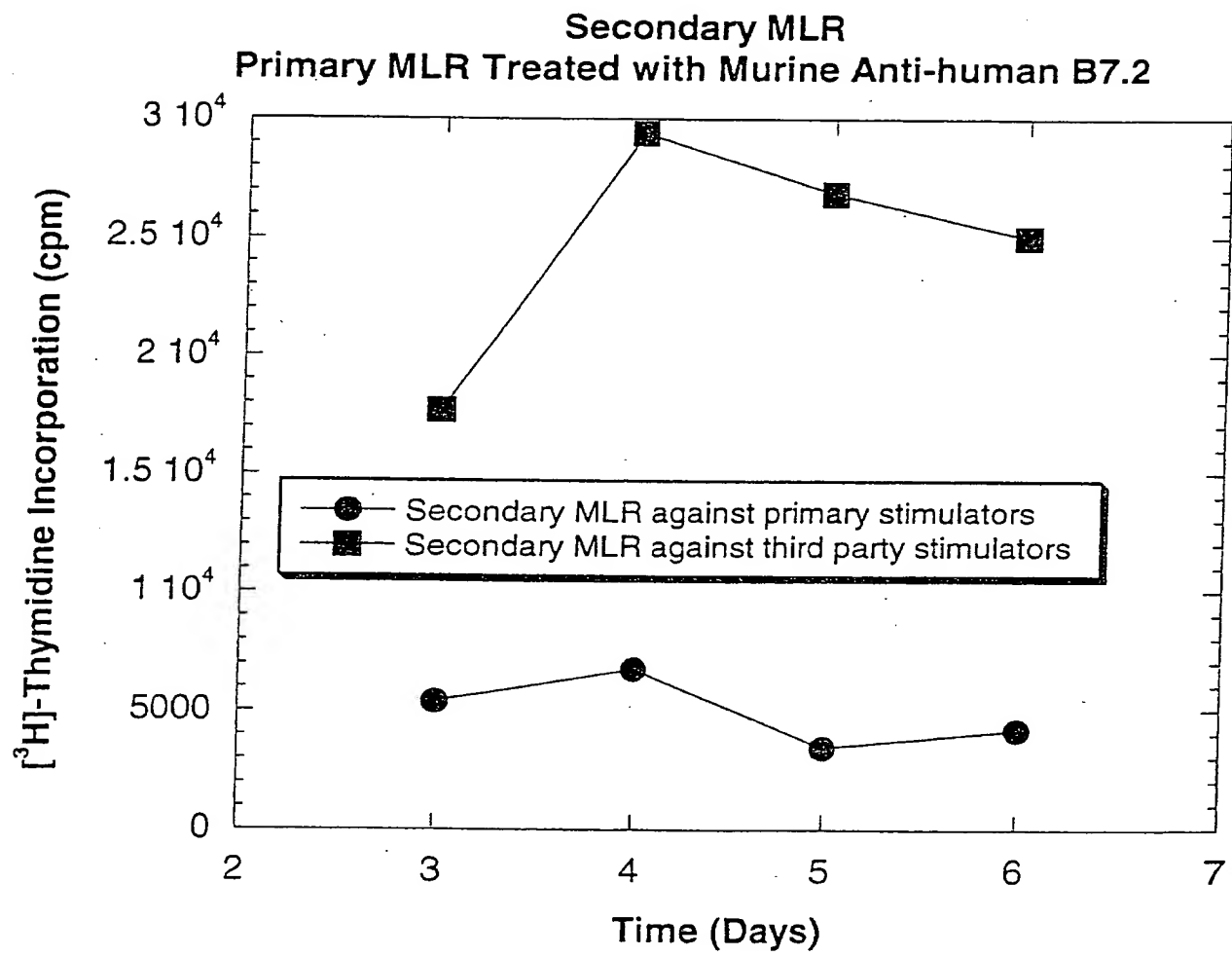


Figure 7

00220 TE 92960

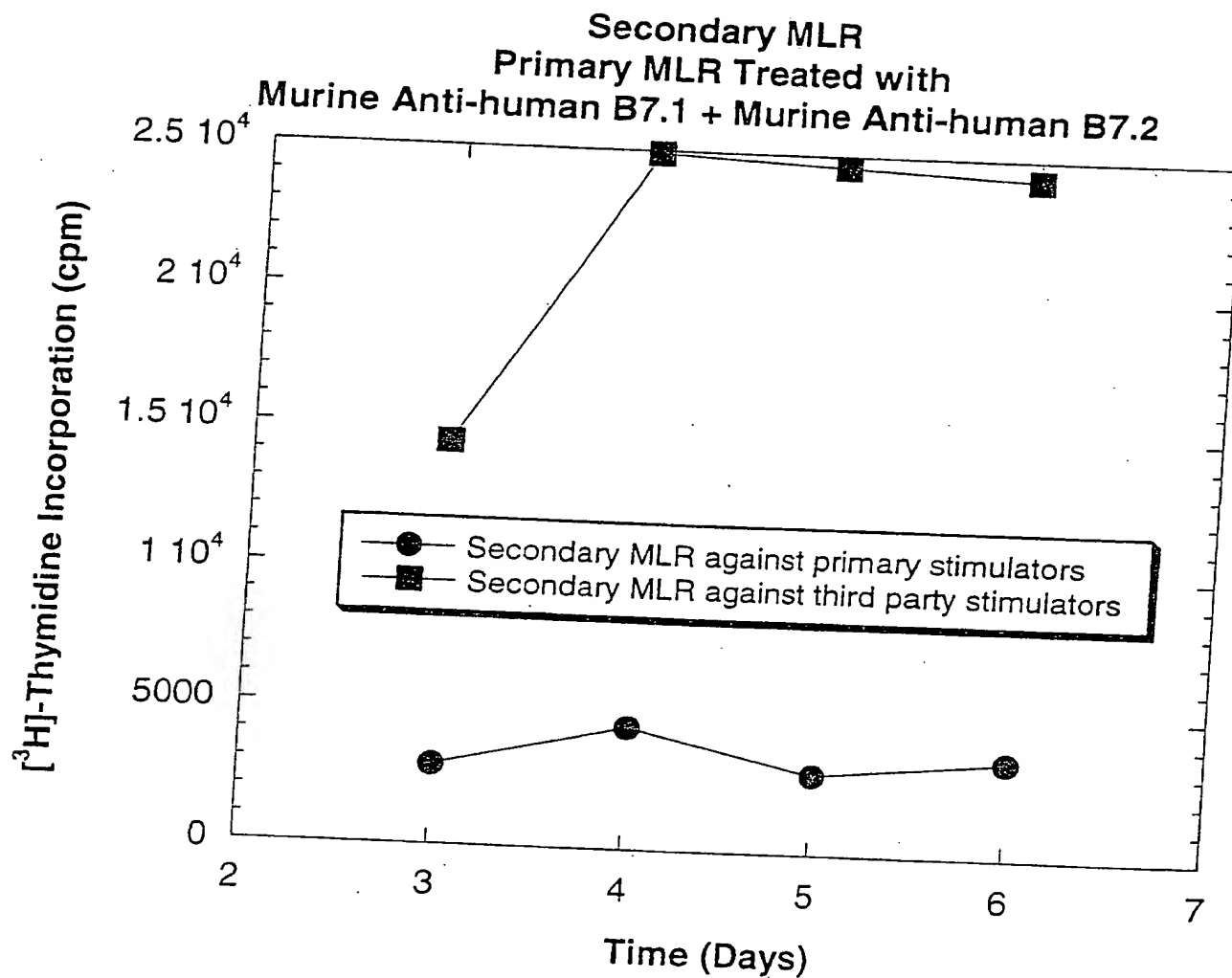


Figure 8

# Antibody Response to Tetanus Immunization During Costimulation Blockade with Humanized Anti-B7.1 and Anti-B7.2

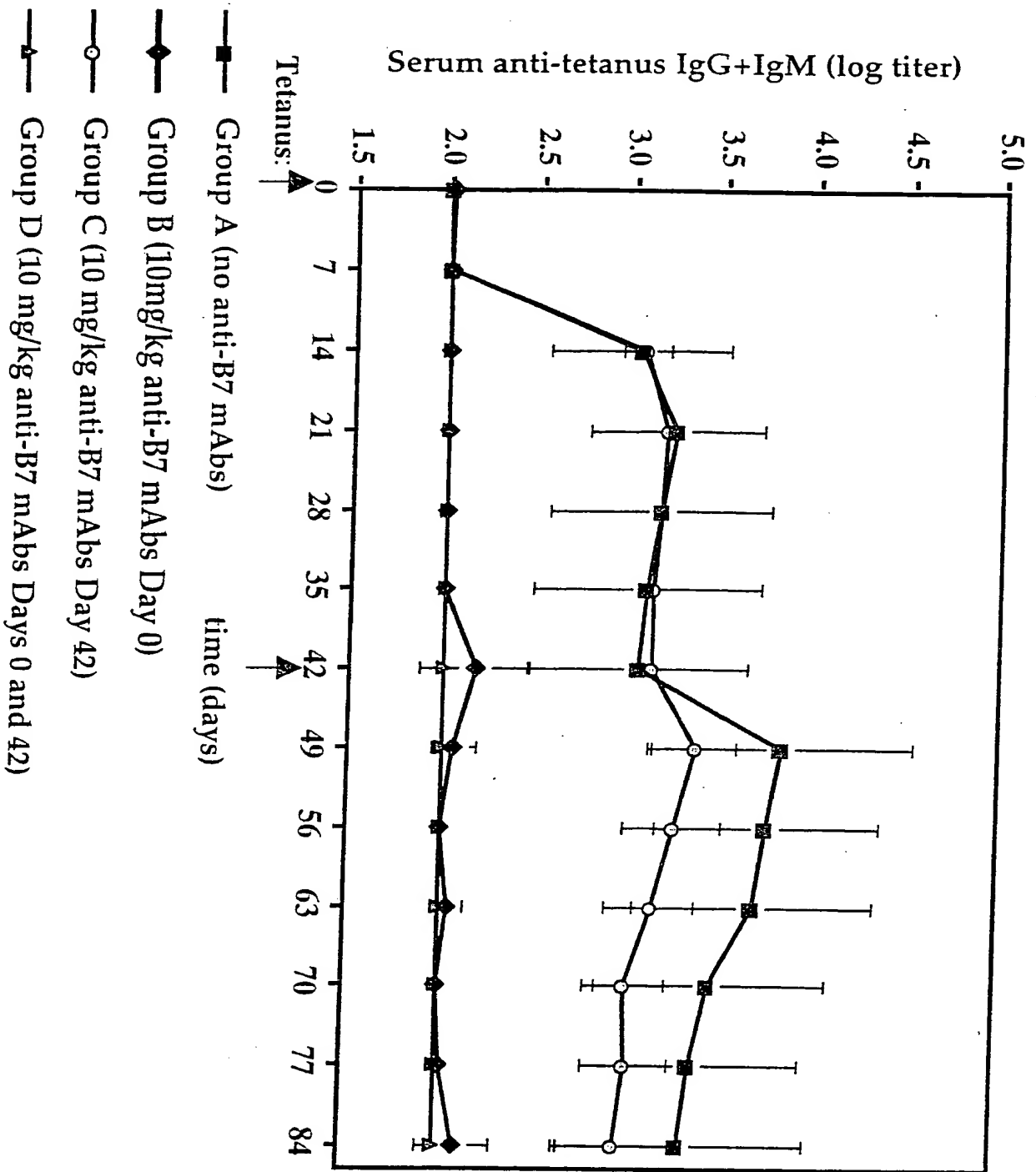


Figure 17 27 00

002240 TEL 92950

## Serum Concentration of Humanized Anti-B7-2 in cynomolgus Monkeys

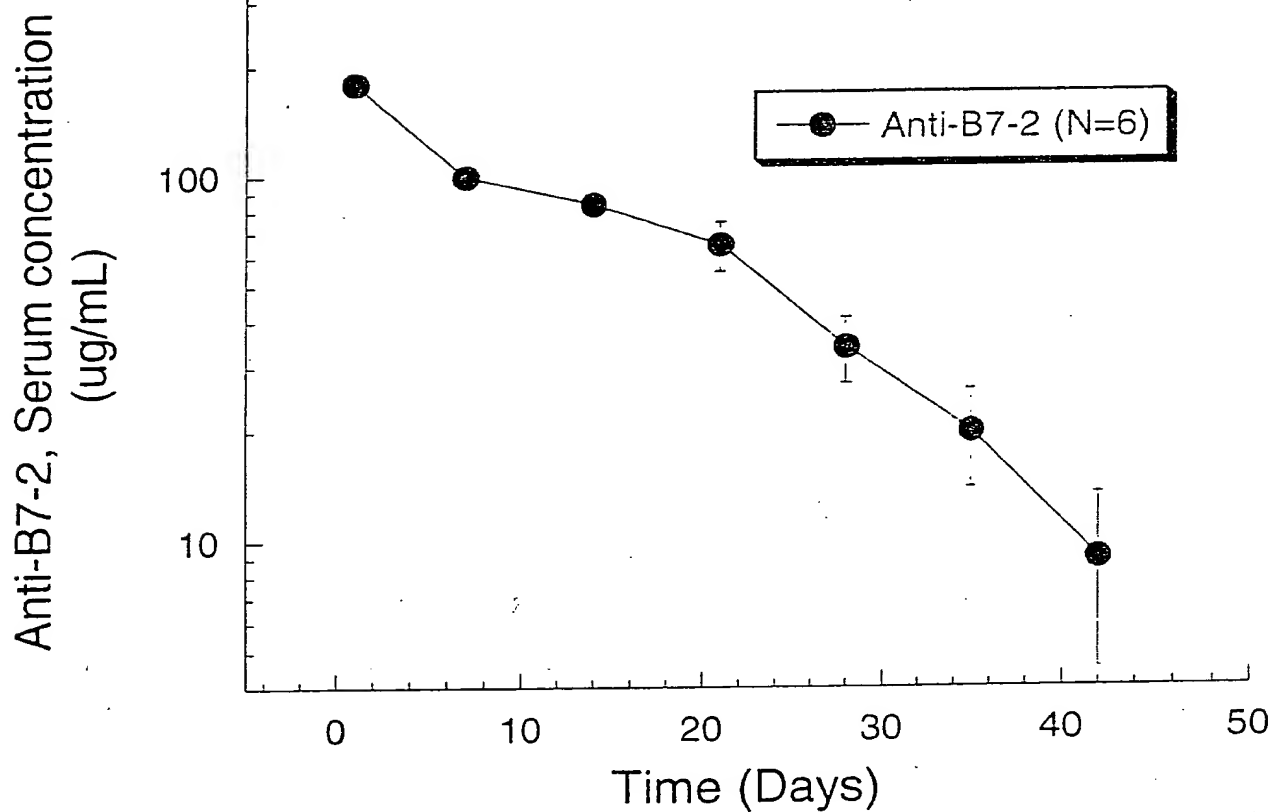


Figure 10